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**west virginia department of environmental protection**

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Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Phone: (304) 926-0475 • FAX: (304) 926-0479

Jim Justice, Governor  
Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

January 20, 2017

CERTIFIED MAIL

91 7199 9991 7035 6610 3702

John Wilkinson, Vice President  
21071 Midland Trail  
Lewisburg, WV 24901

RE: Appalachian Aggregates, LLC  
Mill Point Plant  
Permit Application No. G40-C051B  
Plant ID No. 075-00002

Dear Mr. Wilkinson:

Your application for a permit as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed permit G40-C051B is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

This permit does not affect 45CSR30 applicability, the source is a nonmajor source subject to 45CSR30.

In accordance with 45CSR30- Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions or comments, please contact me at (304) 926-0499, extension 1212.

Sincerely,

Thornton E. Martin Jr.  
Permit Engineer

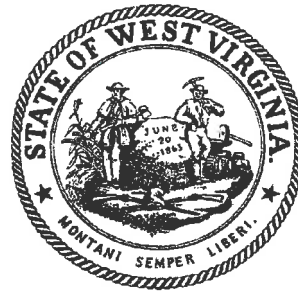
c: Patrick Ward, Potesta & Associates, Inc.

*West Virginia Department of Environmental Protection*  
*Jim Justice*  
*Governor*

*Division of Air Quality*

*Austin Caperton*  
*Cabinet Secretary*

## Class II General Permit G40-C Registration to Modify

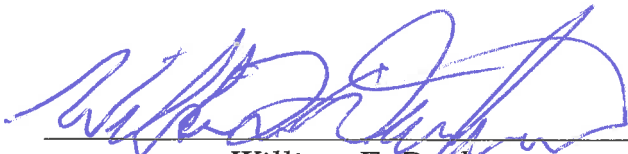


for the  
Prevention and Control of Air Pollution in regard to the  
Construction, Modification, Relocation,  
Administrative Update and Operation of  
Nonmetallic Mineral Processing Plants

*The permittee identified at the facility listed below is authorized to  
construct the stationary sources of air pollutants identified herein in accordance  
with all terms and conditions of General Permit G40-C.*

**G40-C051B**

Issued to:  
**Appalachian Aggregates, LLC**  
**Mill Point Plant**  
**075-00002**

  
\_\_\_\_\_  
*William F. Durham*  
*Director*

*Effective: January 20, 2017*

This Class II General Permit Registration will supercede and replace G40-C051A

Facility Location: Mill Point, Pocahontas County, West Virginia  
Mailing Address: 21071 Midland Trail, Lewisburg, West Virginia 24901  
Facility Description: Non-metallic minerals processing plant  
SIC Codes: 1422  
NAICS Codes: 212312  
UTM Coordinates: 571.759 km Easting • 4224.181 km Northing • Zone 17  
Registration Type: Modification  
Description of Change: Applicant proposes to replace a Grizzly Feeder and Hopper, include the re-calculation of remote stockpile emissions and the addition of haulroad emissions for stone shipped off-site.

Subject to 40CFR60 Subpart OOO? Yes  
Subject to 40CFR60 Subpart IIII? No  
Subject to 40CFR60 Subpart JJJJ? No

*Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.*

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*This permit does not affect 45CSR30 applicability, the source is a nonmajor source subject to 45CSR30.*

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*Unless otherwise stated WVDEP DAQ did not determine whether the registrant is subject to an area source air toxics standard requiring Generally Achievable Control Technology (GACT) promulgated after January 1, 2007 pursuant to 40 CFR 63, including the area source air toxics provisions of 40 CFR 63, Subpart ZZZZ.*

**All registered facilities under Class II General Permit G40-C are subject to Sections 1.0, 1.1, 2.0, 3.0, and 4.0.**

The following sections of Class II General Permit G40-C apply to the registrant:

Section 5	Nonmetallic Mineral Processing Operations	<input checked="" type="checkbox"/>
Section 6	Standards of Performance for Nonmetallic Mineral Processing Plants that Commenced Construction, Reconstruction or Modification after August 31, 1983 but before April 22, 2008 (40CFR60 Subpart OOO)	<input checked="" type="checkbox"/>
Section 7	Standards of Performance for Nonmetallic Mineral Processing Plants that Commenced Construction, Reconstruction or Modification on or after April 22, 2008. (40CFR60 Subpart OOO)	<input checked="" type="checkbox"/>
Section 8	Reciprocating Internal Combustion Engines (R.I.C.E.)	<input type="checkbox"/>
Section 9	Tanks	<input checked="" type="checkbox"/>
Section 10	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII)	<input type="checkbox"/>
Section 11	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)	<input type="checkbox"/>

## Emission Units

Source ID No.	Emission Unit Description (Make, Model, Serial No.)	Design Capacity		Control Device <sup>1</sup>	Month/Year Constructed, Reconstructed, or Modified
		TPH	TPY		
Equipment					
CR1	Cedar Rapids Jaw Crusher	600	5,256,000	WS	1998
CR2	Telsmith Horizontal Impact Crusher	600	5,256,000	WS	1999
CR3	ISC Vertical Impact Crusher	400	3,504,000	WS	1998
S1	Cedar Rapids Triple Deck Vibrating Screen	600	5,256,000	WS	1998
S2	Cedar Rapids Triple Deck Vibrating Screen	600	5,256,000	WS	1998
S3	Cedar Rapids Triple Deck Vibrating Screen	1,000	8,760,000	WS	2001
GF1	Grizzly Feeder	600	5,256,000	WS	2017
LPCR1	Steadman Cage Mill Crusher	50	438,000	BH	2014
LPVS1	Midwestern Double Deck Vibrating Screen	50	438,000	BH	2014
Conveyors					
BC1	Belt Conveyor	600	5,256,000	WS	1998
BC2	Belt Conveyor	600	5,256,000	WS	1998
BC3	Belt Conveyor	150	1,314,000	WS	1998
BC4	Belt Conveyor	150	1,314,000	WS	1998
BC5	Belt Conveyor	250	2,190,000	WS	1998
BC6	Belt Conveyor	150	1,314,000	WS	1998
BC7	Belt Conveyor	600	5,256,000	WS	1998

Source ID No.	Emission Unit Description (Make, Model, Serial No.)	Design Capacity		Control Device <sup>1</sup>	Month/Year Constructed, Reconstructed, or Modified
		TPH	TPY		
BC8	Belt Conveyor	600	5,256,000	WS	1998
BC9	Belt Conveyor	600	5,256,000	WS	1998
BC10	Belt Conveyor	200	1,752,000	WS	1998
BC11	Belt Conveyor	200	1,752,000	WS	1998
BC12	Belt Conveyor	200	1,752,000	WS	1998
BC13	Belt Conveyor	200	1,752,000	WS	1998
BC14	Belt Conveyor	200	1,752,000	WS	1998
BC15	Belt Conveyor	600	5,256,000	WS	1998
BC15A	Belt Conveyor	400	3,504,000	WS	2011
BC16	Belt Conveyor	1,000	8,760,000	WS	2001
BC17	Belt Conveyor	400	3,504,000	WS	2001
BC18	Belt Conveyor	400	3,504,000	WS	1998
BC19	Belt Conveyor	400	3,504,000	WS	1998
BC20	Belt Conveyor	300	2,628,000	WS	2001
BC21	Belt Conveyor	200	1,752,000	WS	2001
BC22	Belt Conveyor	500	4,380,000	WS	2001
BC23	Belt Conveyor	500	4,380,000	WS	2001
LPBC1	Belt Conveyor	400	3,500,000	FE	2014
LPBC2	Belt Conveyor	400	3,500,000	FE	2014
LPBC3	Belt Conveyor	400	3,500,000	WS	2014
LPSC1	Screw Conveyor	400	3,500,000	BH	2014
LPBE1	Bucket Elevator	400	3,500,000	BH	2014
LPSC2	Screw Conveyor	400	3,500,000	BH	2014
<b>Storage</b>		<b>Tons</b>	<b>TPY</b>		
BS1	Storage Bin	100	5,256,000	N	1998
LPBIN1	Feed Bin	25	219,000	N	2014
LPBIN2	Feed Bin	25	219,000	N	2014
H1	Hopper	75	5,256,000	N	2017

Stockpiles	Emission Unit Description (Make, Model, Serial No.)	Base Area (Sq. Feet)	TPY	Control Device <sup>1</sup>	Month/Year Constructed, Reconstructed, or Modified
OS-A	Open Stockpile – stone	11,236	1,314,000	WS	1998
OS-B	Open Stockpile – stone	11,236	1,314,000	WS	1998
OS-C	Open Stockpile – stone	11,236	2,190,000	WS	1998
OS-D	Open Stockpile – stone	11,236	438,000	WS	1998
OS-E	Open Stockpile – stone	11,236	1,752,000	WS	1998
OS-F	Open Stockpile – stone	11,236	1,752,000	WS	1998
OS-G	Open Stockpile – stone	11,236	1,752,000	WS	1998
OS-H	Open Stockpile – stone	11,236	4,380,000	WS	1998
OS-I	Open Stockpile – stone	11,236	1,752,000	WS	1998
OS-J	Open Stockpile – stone	11,236	2,628,000	WS	1998
OS-K	Open Stockpile – stone	117,613	671,000	WS	1998
OS-L	Open Stockpile – stone	34,848	671,000	WS	1998
OS-M	Open Stockpile – stone	21,780	671,000	WS	1998
OS-N	Open Stockpile – stone	65,340	671,000	WS	1998
OS-O	Open Stockpile – stone	47,916	671,000	WS	1998

Stockpiles	Emission Unit Description (Make, Model, Serial No.)	Base Area (Sq. Feet)	TPY	Control Device <sup>1</sup>	Month/Year Constructed, Reconstructed, or Modified
OS-P	Open Stockpile -- stone	60,984	671,000	WS	1998
OS-Q	Open Stockpile -- stone	28,314	671,000	WS	1998
FES-A	Enclosed Stockpile	6,000	438,000	FE	2014
Engine	Emission Unit Description (Make, Model, Serial No.)	Design Capacity (bhp/rpm)	Fuel Type	Manufactured Date	Installation Year
GEN-3	CAT 3512 diesel engine -- 1616hp/1205kw	1616/1800	Diesel	May 1995	1997
Tanks	Status	Content	Volume	Throughput	Liquid Height
T01	Existing	Diesel	10,000	90,000	6'
T02	Existing	Diesel	10,000	90,000	6'

<sup>1</sup> FE - Full Enclosure; FW - Full Enclosure w/water spray; PW - Partial Enclosure w/water spray; WS - Water Spray; N - None;  
BH - Donaldson 108MBT8 Baghouse, Pulse Jet, 99.9% collection efficiency

## Emission Limitations

Emission Source	Maximum Controlled PM Emissions		Maximum Controlled PM <sub>10</sub> Emissions	
	pounds / hour	tons / year	pounds / hour	tons / year
<b>FUGITIVE EMISSIONS</b>				
Stockpiles	5.17	22.63	2.43	10.63
Unpaved Haulroads	187.67	733.42	55.39	216.48
<b>Total Fugitive Emissions</b>	<b>192.84</b>	<b>756.04</b>	<b>57.82</b>	<b>227.11</b>
<b>POINT SOURCE EMISSIONS</b>				
Equipment Emissions	6.18	27.05	2.22	9.72
Transfer Point Emissions	13.34	51.19	6.31	24.21
<b>Total Point Source Emissions</b>	<b>19.51</b>	<b>78.24</b>	<b>8.53</b>	<b>33.93</b>
<b>TOTAL FACILITY EMISSIONS</b>				
<b>Total Facility Emissions</b>	<b>212.35</b>	<b>834.28</b>	<b>66.35</b>	<b>261.04</b>

## Engines

Source ID	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
GEN-3	Nitrogen Oxides	37.90	49.27
	Carbon Monoxide	8.47	11.01
	Volatile Organic Compounds	0.74	0.96
	Particulate Matter-10	1.21	1.57